

Converting Colors

$Yxy(38.0176, 0.2969, 0.3991)$

Have a look what the booklet for
Yxy(38.0176, 0.2969, 0.3991)
contains.

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Color

Yxy(38.0108, 0.2966, 0.3982)

Conversions

Conversions Part 1

Format	Color
Hex	78B388
RGB	120, 179, 136
RGB Percent	47%, 70%, 53%
CMY	0.5293, 0.2980, 0.4667
CMYK	0.33, 0.00, 0.24, 0.30
HSL	136°, 28%, 59%
HSV	136°, 33%, 70%
XYZ	28.3124, 38.0108, 29.1333
YIQ	156.4570, -21.3610, -25.8810

Conversions

Conversions Part 2

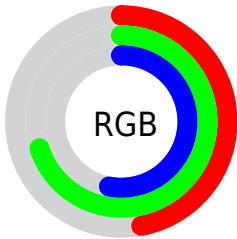
Format	Color
RYB	120, 166, 179
Decimal	7910280
CIELab	68.03, -28.27, 16.00
CIELCh	68, 32.481, 150.488
Yxy	38.0108, 0.2966, 0.3982
Android (android.graphics.Color)	4286100360 (0xFF78B388)
YUV	156.4570, -10.0853, -31.9728
Hunter-Lab	61.6529, -25.9213, 15.1402

Details

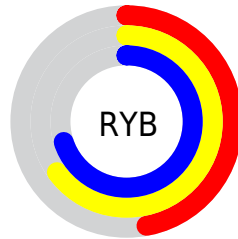
The Yxy color **38.0108, 0.2966, 0.3982** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **25.6702, 0.3342, 0.2687**, and the grayscale version is **33.5171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0895, 0.3005, 0.3844**, and **16.8588, 0.2906, 0.4225** is the 20% darker color. If you saturate the color by 10%, you get **36.5007, 0.2924, 0.4238**, and if you desaturate by 10%, it is **39.8086, 0.3013, 0.3746**.

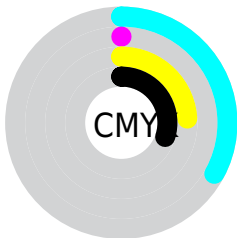
Distribution



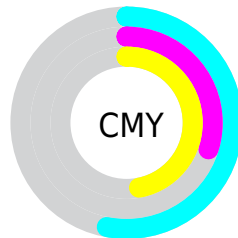
- Red (47%)
- Green (70%)
- Blue (53%)



- Red (47%)
- Yellow (65%)
- Blue (70%)



- Cyan (33%)
- Magenta (0%)
- Yellow (24%)
- Black (30%)




- Cyan (53%)
- Magenta (30%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0108, 0.2966, 0.3982 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 38.0108, 0.2966, 0.3982 by changing the saturation by 10% instead.


 38.0108, 0.2966,
0.3982


 38.0108, 0.2966,
0.3982


337.6663, 0.3057,
0.3609

 25.9911, 0.2939,
0.4085


 72.1247, 0.3002,
0.3840

 16.8170, 0.2903,
0.4223


 94.9876, 0.3014,
0.3788

 10.1041, 0.2848,
0.4418


 122.2338, 0.3025,
0.3746

 5.4680, 0.2762,
0.4714

154.2475, 0.3033,
0.3710

 2.5244, 0.2606,
0.5211

191.4133, 0.3041,
0.3679

 0.8888, 0.1483,
0.8517


234.1154, 0.3047,


 0.0000, 0.0000,

0.3653


0.0000


282.7382, 0.3052,
0.3629


 38.0108, 0.2966,
0.3982


 38.0108, 0.2966,
0.3982


 36.5007, 0.2924,
0.4238


 39.8086, 0.3013,
0.3746


 35.2584, 0.2891,
0.4509


 41.9031, 0.3062,
0.3532

 34.2693, 0.2868,
0.4786

 44.3089, 0.3112,
0.3342


 33.5151, 0.2859,
0.5057

 47.0382, 0.3162,
0.3174


 32.9750, 0.2866,
0.5309

 50.1024, 0.3210,
0.3027


 32.6245, 0.2887,
0.5528

 53.5125, 0.3256,
0.2898

 32.4567, 0.2905,
0.5659

 57.2789, 0.3299,
0.2787

 59.8168, 0.3274,
0.2677

 60.6228, 0.3173,
0.2559

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.0108, 0.3446, 0.4170



38.0108, 0.2966, 0.3982



38.0108, 0.2550, 0.3556

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.0108, 0.2966, 0.3982



38.0108, 0.2412, 0.2531



38.0108, 0.4033, 0.3394

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.0108, 0.2966, 0.3982



25.6702, 0.3342, 0.2687

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



38.0108, 0.3713, 0.3019



38.0108, 0.2966, 0.3982



38.0108, 0.2760, 0.2541

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.0108, 0.2966, 0.3982



38.0108, 0.2250, 0.2711



38.0108, 0.3234, 0.2716



38.0108, 0.4084, 0.3774

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.0108, 0.2966, 0.3982



38.0108, 0.2359, 0.3230



38.0108, 0.3234, 0.2716



38.0108, 0.3953, 0.3265

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.0124, 0.2966, 0.3982



76.1868, 0.3076, 0.3477



41.4120, 0.3466, 0.4140



16.7517, 0.3069, 0.3504



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.0124, 0.2966, 0.3982



65.9432, 0.2933, 0.4179



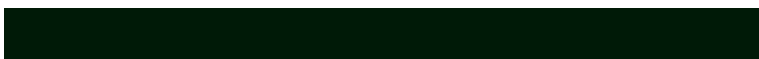
38.9604, 0.2758, 0.3502



9.5266, 0.3080, 0.3460



22.9454, 0.2900, 0.5640



0.7320, 0.2739, 0.5059

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.6702, 0.3342, 0.2687



40.1976, 0.3408, 0.2545



24.7398, 0.3698, 0.3091



8.6067, 0.3177, 0.3125



7.9331, 0.4023, 0.1990



0.2587, 0.3750, 0.1839

Previews

White Background



This preview shows how the Yxy color 38.0108, 0.2966, 0.3982 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 38.0108, 0.2966, 0.3982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

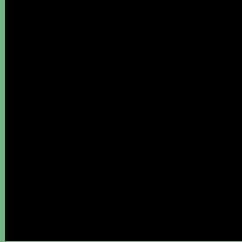
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.0108, 0.2966, 0.3982

Background



This preview shows how black text looks on a background with the Yxy color 38.0108, 0.2966, 0.3982.



This preview shows how white text looks on a background with the Yxy color 38.0108, 0.2966, 0.3982.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.0108, 0.2966, 0.3982

Protanopia

37.7254, 0.3559, 0.3802

Deuteranopia

37.6369, 0.3618, 0.3549



Tritanopia

37.7960, 0.2676, 0.3082

Trichromacy



Original Color

38.0108, 0.2966, 0.3982

Protanomaly

37.4833, 0.3321, 0.3860

Deuteranomaly

37.1358, 0.3356, 0.3686

Tritanomaly

37.9227, 0.2777, 0.3396

Monochromacy



Original Color

38.0108, 0.2966, 0.3982

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.5605, 0.3061, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0108, 0.2966, 0.3982 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(120, 179, 136)` looks like.

```
.text, #text, p{  
    color:rgb(120, 179, 136)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(120, 179, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 179, 136) }
```

Border

The CSS property to change the border of an element to Yxy 38.0108, 0.2966, 0.3982 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 179, 136) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(120, 179, 136) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(120, 179, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 179, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 179, 136);  
box-shadow:4px 4px 4px 4px rgb(120, 179,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0108, 0.2966, 0.3982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 179, 136) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(120,  
179, 136) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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